

CLAIM AMENDMENTS

1 1. (Currently amended) A Method for the controlled
2 delivery of digital services by a plurality of providers [[(SP)]]
3 to a user [[(U)]], wherein said services are identified by
4 respective stream of encoded digital data emitted by said plurality
5 of providers [[(SP)]] and the user is provided with a receiver
6 [[(STB)]] and a single removable user unit [[(105)]] to receive
7 said digital data streams by said plurality of providers, the
8 receiver being selectively enabled to make use of determined
9 services of a given provider of said plurality, the method
10 comprising the steps of:
11 • incorporating by each of said plurality of providers
12 [[(SP)]] into said digital data streams a respective enabling
13 algorithm {TMW2} specific of the provider, to be selectively loaded
14 into the single removable user unit [[(105)]] to be associated to
15 said receiver [[(STB)]] for enabling the use of respective
16 determined services of said plurality of providers,
17 • incorporating into said digital data streams a respective
18 identifying code [[(EMM)]] of the user [[(U)]] to be enabled to
19 receive said determined services,
20 • associating to said single removable user unit [[(105)]]

21 a processing function [[(VM)]] capable of recognizing and executing
22 said enabling algorithm by exploiting said identifying code to
23 enable the receiver [[(STB)]] of the user to make use of said
24 respective determined services of said plurality of providers.

1 2. (Currently amended) The method according to claim 1,
2 which comprises the step of configuring said single removable user
3 unit [[(105)]] as a movable processing support uniquely assigned to
4 said users [[(1)]].

1 3. (Currently amended) The method according to claim 1,
2 which comprises the step of configuring said single removable user
3 unit [[(105)]] as a smart card.

1 4. (Currently amended) The method according to claim 1,
2 which comprises the steps of:
3 associating to said receiver [[(STB)]] a trusted
4 middleware [[(TMW)]] function,
5 configuring said trusted middleware function into a
6 static part {TMW1}, residing on said receiver [[(STB)]], and a
7 dynamic part {TMW2} arranged to be selectively transferred onto
8 said single removable user unit [[(105)]] in view of the execution

9 of said respective enabling algorithm by said processing function
10 [[(VM)]].

1 5. (Currently amended) The method according to claim 1,
2 which comprises the steps of:

3 - configuring said digital data streams as MPEG data
4 streams containing EMM messages,

5 inserting said identifying code in to the EMM messages,

6 activating, through said single removable user unit

7 [[(105)]] and upon reception of said respective enabling algorithm,
8 the performance of the following functions:

9 extracting, reading and deciphering the EMM messages
10 contained in the digital data stream received,

11 interpreting said identification code contained in the
12 EMM messages, executing said enabling algorithm by exploiting said
13 identification code.

1 6. (Original) The method according to claim 1, wherein
2 said respective enabling algorithm is incorporated in to a stream
3 of private data within said digital data stream.

1 7. (Currently amended) The method according to claim 1,
2 wherein, upon reception of said enabling algorithm, said processing
3 function [[(VM)]] enables said receiver to operation as
4 transmitters to transmit information about the delivery of the
5 service itself.

1 8. (Currently amended) A system for the controlled
2 delivery of digital services by a plurality of providers [[(SP)]]
3 to a user [[(U)]], wherein said services are identified by
4 respective coded digital data streams and the user is provided with
5 a receiver [[(STB)]] and a single removable user unit [[(105)]] to
6 receive said digital data streams delivered by said plurality of
7 providers, the receiver being selectively enabled to make use of
8 respective determined services of a given provider, wherein:

9 each of said plurality of providers [[(SP)]] is arranged
10 to incorporate into said digital data streams respective enabling
11 algorithm {TMW2} to be selectively loaded into the single removable
12 user unit [[(105)]] to be associated to said receiver [[(STB)]] for
13 enabling use of said respective determined services of said
14 plurality of providers, as well as a respective identification code
15 of the user [[(U)]] to be enabled to receive said respective
16 determined services, and

17 said single removable user unit [[(105)]] has associated
18 thereto a processing function [[(VM)]] arranged to recognize and
19 execute said respective enabling algorithm on the basis of said
20 identifying code, to enable the receiver [[(STB)]] of the user to
21 make use of said respective determined services of said plurality
22 of providers.

1 9. (currently amended) The system according to claim
2 8, wherein said single removable user unit [[(105)]] is configured
3 as a removable processing supports uniquely assigned to said user

1 10. (Original) The system according to claim 8, wherein
2 said single removable user unit is configured as a smart card.

3 11. (Currently amended) The system according to claim
4 8, wherein:

5 said receiver have associated thereto a trusted
6 middleware function [[(TMW)]] configured in a static part {TMW-1},
7 residing on said receiver [[(STB)]], and in a dynamic part {TMW2}
8 arranged to be selectively transferred on the single removable user
9 unit [[(105)]] in view of the execution of said respective enabling
10 algorithm by said processing function [[(VM)]].

1 12. (Currently amended) The system according to claim
2 8, wherein said service providers emit said digital data streams as
3 MPEG data streams containing EMM messages with said identifying
4 code inserted in said EMM messages, and said receiver comprises:

5 modules for extracting, reading and deciphering the EMM
6 messages contained in the received digital data stream,

7 modules ~~(103, 104)~~ for interpreting said identifying code
8 contained in the EMM messages, and

9 processing modules [[(VM)]] to execute said at least one
10 respective enabling algorithm on the basis of said identifying
11 code.

1 13. (Original) The system according to claim 8, wherein
2 each of said plurality of providers incorporates said respective
3 enabling algorithm into a stream of private data within said
4 digital data streams.

1 14. (Currently amended) The system according to claim
2 8, wherein the receiver can be activated by said single removable
3 user unit [(105)] upon reception of said respective enabling
4 algorithm for operation as a transmitter to transmit information

5 about the delivery of the service itself.

1 15. (currently amended) The system according to claim
2 8, wherein said single removable user unit [(105)] is configured
3 as a Java Card.